

Model-Testing Methods in Aeronautics, by Rudolf
Schmidt, Paul Klages, *92 pp.*

BERMAN, per, Z fuer Flugwissenschaften, Vol III, No
7, Jul 1955, pp 169-205.

NACA N-52740

Sci - Aero

51,766

Aug 57

A Wind Tunnel Tube, by H. Ludweig.

GERMAN, per, Zeit Fueser Flugwiss, Vol III,
No 7, 1955, pp 206-216.

TPA3/TIB T-4599

Sci - Engineering

31, 355

The Best Shapes for Axially Symmetrical
Supersonic Jet Nozzles, by G. Guderley, E.
Kuntze. UNCLASSIFIED

GERMAN, por, 2 fuer Flugwissenschaften, Vol. IX, No 9,
1955, pp 305-313. CIA 9031276

CCIRO
TEL 4907

Sci - Aero
Dec 58

77,546

A Contribution to the Design of Laminar Profiles for
Gliders and Helicopters, by F. X. Wortman.
UNCLASSIFIED

GERMAN, ~~pp~~ 2 fuer Flugwiss, Vol III, No 10, 1955,
pp 333-345. CIA 9031276

TIL 4903

Sci - Aero
Dec 58

77,548

Laminar Profiles for Gliders, by R. Eppeler.
UNCLASSIFIED

GERMAN, per, 2 fuer Flugwissenschaften, Vol III, No 10,
1955, pp 345-353. CIA 9031276

TIL 4904

Sci - Aero
Dec 58

77,530

Measurements on Two Laminar Profiles for Gliders,
by L. Speidel. UNCLASSIFIED

GERMAN, per, Z fuer Flugzeug, Vol XII, No 10, 1955,
pp 353-359. CIA 9031276

TIL 4905

Sol - Aero
Dec 58

77,544

Aeroelastic Problems of Aeroplane Design, by
H. G. Kussner.

GERMAN, per, Zeit Flugwiss, Vol III, No 1,
int 1956, pp 1-18.

NACA Tr 1402

Sci - Aeronautics
Mar 57 CTS/dex

45,097

Extreme Speeds and Thermodynamic States in Supersonic Flight, by Klaus Oswaititsch, 39 pp.

GERMAN, per, Z fuer Flugwissenschaften, Vol IV, No 3/4, 1956, pp 95-108.

M
NACA Tm 1434

Sci - Phys

May 58

63,399

R-500

Über Gekoppelte Schwingungen an Lastzügen, by
Ilse Essers,

GERMAN, per, Zeitschrift fuer Flugwissenschaft,
Vol IV, No 5/6, 1956, pp 179-185.

*JPRS for US Army Ord Ars Det

Sci
Jun 61

Spectrum Analysis of Homogeneous Turbulence, by
Walter Tollmien, 12 pp.

GERMAN, per, Z fuer Flugwissenschaften, Vol IV,
No 5-6, May-Jun 1956, pp 195-198.

NACA N 56796

Sci - Phys

Jan 58

57,984

Processes in Pulse Jet Engine, by F. Staab.
UNCLASSIFIED

GERMAN, per, Z fuer Flugwiss, Vol V, No 3, 1957,
pp 77-87. CIA 9031276

TIL 4913

Sol - Aero
Dec 58

77,605

Engine Macelle - Wing Interference at High Speeds
(the Area Rule), by Otto Frenzl, 6 pp. UNCLASSIFIED

GERMAN, per, Z fuer Flugwissenschaften, Vol V, No 6,
1957, pp 181-183.

NACA N-57802

Sci - Aero

58,473

Feb 58

Experimental Investigations on New Laminar Profiles
for Gliders and Helicopters, by F. X. Wortmann.
UNCLASSIFIED

GERMAN, per, Z fuer Flugwiss, Vol V, No 8, 1957,
pp 228-243. CIA 9031276

CSIRO
TEL 4906

Sci - Aero
Dec 58

77,545

Nonlinear Airfoil Theory for Rectangular Wings
in Compressible Flow, by Klaus Gersten,
14 pp.

GERMAN, per, Z für Flugwissenschaften, Vol
9, No 9, 1957, pp 276-280.

REBA RE 3-2-59

Sci - Phys

Mar 59

83,502

In ~~Chircheyovo~~,

Tracking Rockets with Extremely Long Range Radar,
by K. Rohrich.

GERMAN, per, Z fuer Flugwissenschaften, No 9,
1958, pp 266-271. CIA 654322

ATIC P-TE-9973/VII

Sci - Electron

Mar 59

117,886

Nobert Scholz

*An economical calculation of laminar and turbulent
boundary layers with heat transfer. 18 pp*

*GERMAN, Zeitschrift fur flugwissenschaften, Vol 7, No 2,
1959, pp 33-39*

(NASA TT F 14,578

sept 72

A Diagram for Thermo Gas-Dynamic Processes, by
O. Lutz.

GERMAN, per, Z fuer Flugwissenschaft, Vol VII,
No 10, 1959, pp 281-286.

RAE 889

Sci - Chem

137,376

Jan 61

62-10050

Kling, R.

EXPERIMENTAL RESEARCH ON THE COMBUSTION
APPEARANCE IN AN ANNULAR SECTOR OF A
TURBINE-JET PROPULSIVE-UNIT (Experimentelle
Untersuchung der Verbrennung der Scheinungen in
Einem Ringbrennkammersektor Turbinenstrahltrieb-
werke). [1961] 13p. (15 figs. 7 tables omitted).
Order from SLA \$1.60

62-10050

Trans. of Zeitschrift für Flugwissenschaften (West
Germany) 1960, v. 8, no. 12, p. 345-352.

DESCRIPTORS: Turbines, Jets, *Jet propulsion,
*Combustion chambers, Combustion, Experimental
data, Microphotography, High speed photography,
Photography, Fuels, Atomization, Distribution.

(Machinery--Propulsion Systems, TT, v. 7, no. 9)

I. Kling, R.

Office of Technical Services

62-10921

Betz, A.

MAXIMUM LIFT OF ROTATING AEROFOILS
(Höchstautrieb von Flügeln an Umlaufenden Rädern).
[1962] [11]p. (foreign text included) 3 refs.
Order from SLA \$1.60 62-10921

Trans. of Zeitschrift für Flugwissenschaften (West Germany) 1961, v. 9, no. 4/5, p. 97-99.

DESCRIPTORS: *Airfoils, Rotation, *Lift, Pressure, Boundary layer, Aerodynamics.

Rules of similarity can be deduced from observations of the significant effects in the boundary layer of a rotating blade. It is thus possible to apply the experimental results obtained by Himmelakamp regarding the maximum lift of rotating blades to geometrically similar arrangements. (Author)

(Mechanics--Aerodynamics, TT, v. 8, no. 6)

I. Betz, A.

Office of Technical Services

Further Contribution to the Problem of
Minimum Weight of Supporting Structures, by
L. Kirste.
GERMAN, per, Z Flugw, No 11, 1961, pp 7-343
GB/327

Sci -
Jul 67

334,985

Heins, W.
AN EXPERIMENTAL AND THEORETICAL INVESTI-
GATION OF THE SNATCH FORCE FOR A RIBBON
PARACHUTE. [1964] 7p (1 fig omitted) 9 refs
Order from SLA \$1.10 TT-64-16031

Trans. of Zeitschrift für Flugwissenschaften (West
Germany) 1961, v. 9, no. 12, p. 383-87.

(Engineering--Aeronautical, TT, v. 12, no. 3)

TT-64-16031

I. Heins, W.

Office of Technical Services

The Physico-Meteorological Principles of Barometric Height Measurement (Altimetry), by E. Rossner, G. Sanika.

GERMAN, per, Z. fuer Flugwissenschaften, Vol X, No 1, 1962, pp 1-17.

RAE Tr No 1016

Sci - Earth Sci/Astron

234,218

Jun 63

Investigations into Increasing the Lift
of Wings by Boundary Layer Control Thro-
ugh Blowing, by F. Thomas.
GERMAN, per, Zeit Flugwiss, Vol 10,
No 2, 1962, pp 46-65.
NLL Ref: 5207 (1267)

NITC-69-13075-DIC

Sci-Phys
Mar 69

377,045

Investigations on a Possible Influencing of the
Combustion Behavior of Fuels for Air-Breathing
Propulsion Units With the Aid of Additives, by
G. Spengler, V. Zanker, et al. 35 pp.
FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN
THE DEPARTMENT OF DEFENSE ONLY
GERMAN, per, Zeitschrift fur Flugwissenschaften,
Vol 10, No 4, 1962, pp 178-191. P100303967
FTD-HT-66-751

Sci/Propulsion & Fuels
Nov 67

332,185

Mechanical Stress on the Lungs in Decompression, by
H. Hartmann, K. G. Muller.
GERMAN, per, Z fuer Flugwissenschaft, Vol X, No 4, 5,
1962, pp 203-216.

NASA TT F-8405

Sci - Phys, Engr

Mar 64

U.S. GOVERNMENT ONLY

251,870

Investigations in the Flow at the Tail of Aircraft
and Rockets, by P. Carriere.

FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN
THE DEPARTMENT OF DEFENSE ONLY

GERMAN, per, Zeit fur Flugwissenschaften, Vol 10,
No 7, 1962, pp 265-277. FI00210268-V
FTD-HT-67-451

Oct 68

368,226

Some Investigations into Wings With Leading Edge
Flaps With and Without Fuselage, by F. Thomas.
GERMAN, per, Zeit fur Flugwissenschaften, Vol 11,
No 2, 1963, pp 439-446.
NLL Ref: 5207 (1268)

Sci/Aeron
Apr 69

380,238

Unsteady Flow Processes When Critical Heat
Supply is Exceeded, by Bartlma.
GERMAN, per, Zeit fur Flugwiss, Vol XI,
No 4, 1963, pp 160-168.
Dept of Navy 5414/APL/JHU T-2007

Sci - Phys
Jul 67

326,170

On the Distribution of Induced Velocities in the Plane of
rotation of a Propeller Exposed to an Oblique Flow and KK-Its
Effect on the Air Force Distributions and Blade Stresses,
by H. M. Dathe.
GERMAN, per, Z fuer Flugwissenschaften, Vol XI, No 5,
1963, pp 177-192.

NASA TT F-8473

Sci - Aero, Engr

feb 64

U. S. GOVERNMENT ONLY

250,194

The Application of Quaternions to the General Equations
of Motion in Flight Mechanics, by W. Niemz.
GERMAN, per, Z fuer Flugwissenschaften, Vol XI,
No 9, 1963, pp 368-372.
NASA TT F-9143

Sci-Aero

Jan 65

U.S. GOVERNMENT ONLY

270,980

R-15322-D

24 July 1972

Agency: FAA

P.O.No W1-73-0275-1

Title:

Abweichungsstörungen für Drehfunkfeuer im UKW- und
Dezimeter-Wellenbereich

Author: Karlheinz Mattrodt

10pp

Source: Z.Flugwiss, 11, 1963 #11

Language: German

Instructions: Please translate & type single space.

No-PASTE-UP, leave space, translate all captions.

Measurement of Skin Shear Stress Under Turbulent
Flow, by I. Rechenberg.
GERMAN, per, Z fuer Flugwissenschaften, Vol XI,
No 11, 1963, pp 429-438.
NASA TT F-9189

Sci-Engr
Feb 65

U.S. GOVERNMENT ONLY

274,912

Some Investigations Into Wings with Leading
Edge Flaps with and Without Fuselage, by
F. Thomas.

GERMAN, per, Zeit fur Flugwiss, Vol 11,
No 12, 1963, pp 439-446.
NTC-69-13056-01C

Sci-Aero
Sept 69

391,600

The Unsteady Aerodynamic Forces at Mach Number
One, by I. Teipel, 27 pp.

GERMAN, per, Zeit. Fur Flugwissenschaften,
Vol. 12, No 1, 1964, pp 6-14. P200113968

GOVERNMENT USE ONLY

RSIC-808

EE

Sci /Phy

357,063

The Determination of the Hydrodynamic Values
of a Karmam Vortex Street from Heat Wire
Measurements with Small Reynolds Numbers,
by Eberhard Berger, 46 pp.
GEISMAN, per. Z fur Flugwissenschaften, Vol XII,
No 2, 1964, pp 41-59.
Dept of Navy Tr ~~4288/ARL~~ 1029

4278/NRL 1026

Sci - Phys
Oct 65

288,687

Flow in a Choked Circular Wind Tunnel,
by G. Foubert.

CHIMIE, par, 2 fuer Flugwissenschaften,
Vol XII, 1964, pp 323-339.

NASA TT F-9253

Sci-Fugr

Apr 65

U.S. GOVERNMENT ONLY

276,123

Thermodynamic Data on Highly Heated Air. II.
Review of Error Sources in Calculations, by
H. Kutsche.

GERMAN, per, Z. für Flugwiss., Vol XII, No 11,
1964, pp 407-415.
NASA TT F-9357

Sci-ES/A

Jun 65

U.S. GOVERNMENT ONLY

281,106

Studies of the Similarity Relations of
a Nonstationary Helical Vortex, by
Heinz Reichenbach, Wolfgang Merzkirch,
7 pp.

GERMAN, per, Zeit fuer Flugwiss, No 12,
1964, pp 219-221. PS 00262367
Dept of Navy Tr no 5148/ONI 2293

Sch - Mech, Industrial, Civil,
& Marine Engr
Mar 67

320,095

The Fire Fighting Service in the Air Defense
Auxiliary Service, by E. Schmitt, 24 pp.

GERMAN, per, Z Forschung und Tech im Brandschutz,
Vol VI, No 2, 1957, pp 33-43.

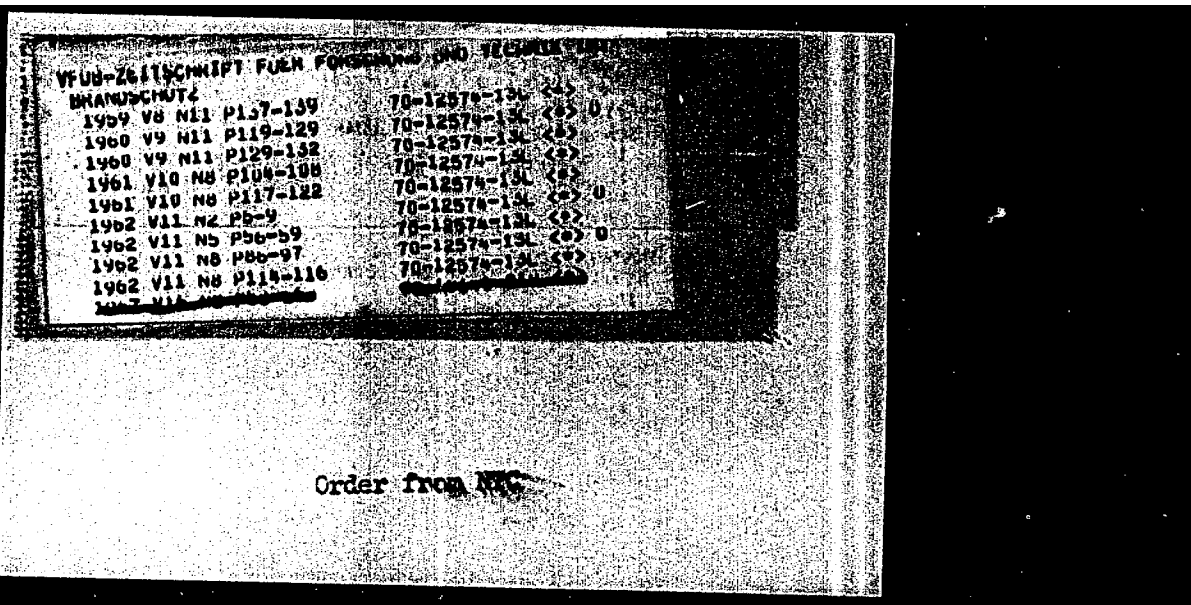
Engr Res and Devel Lab
Ft Belvoir, Va

EEur - Germany

Soc

Jun 58

65,539



Most Important Points in Fire Protection, by
O. Herterich.

GERMAN per, Zeitschrift Forschung und Technik
in Brandschutz, Vol IX no 2, 1960, pp 68-71

ERDL Ft Belvoir
T-1304

ESur - Germany

155,274

Econ

Jun 61

Ray Protection for Firemen, by Farrenkopf.

GERMAN, per, Z Forschung und Technik im Brandschutz,
Vol XI, 1962, pp 1-4.

*AEC

Sci - Phys
Aug 62

English Title Unknown, by F. Haack.
GERMAN, per, Zeit. Forst-und Jagdwesen, No 38,
1906, pp 441-475.
*CFSTI TT 70-53045

Sept 70

Unfavorable Influence of Too Dense a Stand on the Water Regime of Poor Pine Soils, by Albert, 74 pp.

GERMAN, per, Z Forst-und Jagdw, Vol XLVII, 1915,
pp 241-248.

SLA Tr 57-1235

Sci - Biology
Mar 58

60,016

The Theory and Relations of National, Private, and
Forest Economy, by R. Liefmann, 41 pp.

GERMANY, per, Z Forst- u Jagdw. Vol LVII, No 3, 1925,
pp 140-180.

SIA Tr 57-1249

WEU - Germany
Econ
Mar 58

60,040

Influence of Race, Soil, and Site Upon the Stem
Form of Pine, by H. Burger, 7 pp.

GERMAN, per, Z Forst-und Jagdw, Vol LVII, 1925,
pp 296-303.

SLA Tr 57-1246

Sci - Biology
Mar 58

60,034

Atomic Injuries and Possible Treatment, by Siegmund
Schmidt, 18 pp. UNCLASSIFIED

GERMAN, per) Zeit fuer d Gesamte Innere Med U. I.
Grenzgebiete, Vol LXXXIX, No 2, 1960.

Navy 2657/MCS 514

Sci - Medicine
Nov 60

133,796

Is it Possible to Influence Eclampsia and
Preeclampsia of Pregnancy Therapeutically
via the Vegetative System?, by L. Dibbelt,
H. Profitlich, 8 pp.

GERMAN, per, Zeit f Geburtsh Gynakol, Vol
CXL, ~~XXXX~~ 1954.

S.L.A. Trans 922

Sci - Medicine

29,929

New Methods of Treating the Hypertension of Pregnancy,
by V. Friedberg, G. Schanz, 14 pp.

GERMAN
~~German~~, per, Zschr. für Geburtsh. und Gynäk., Vol CXL,
1954, pp 34-36.

S.L.A. TR 56/1956

33 990

Scientific - Medicine

on the Microstructure of the Human Vaginal
Epithelium, by H. F. Bahr, H. Moberger, 18 pp.

Fluorine in Stomatology, by H. Widorowicz-
Malowarowa, 12 pp.

GRUDAN, per, Zeitschr für Geburtshilfe und
Gynäkologie, Vol CXLVI, No 1, 1976, pp
33-42.

MIN 1-14

Sci - Med

Feb 59

80,840

Regional Lymph Node Reaction in Therapeutic
Radium-Roentgen Irradiation for Carcinoma of the
Cervix, by Hans-Guenther Hillemanns, 74 pp.

GERMAN, per, Z für Geburtshilfe, Vol XIV, No 2,
1957, pp 156-196.

Navy Tr 3177/RMS 713

Sci - Med

Jul 62

204,805

Neuweller, W. and Richter, R. H. H.
ON THE INFLUENCE OF NICOTINE ON THE
FERTILITY OF MALE AND FEMALE RATS. Lecture
at the General Meeting of the German Society for the
Study of Fertility and Sterility and the Austrian Society
for the Study of Sterility and Fertility, Munich,
15-16 Oct 60. [1963] 7p 2refs
Order from SLA \$1.10

TT-64-14552

Trans. of Z[schrift für] Geburtshilfe u[nd] Gynäko-
logie (West Germany) 1961, v. 157, Beiheft,
p. 5-10.

TT-64-14552

- I. Neuweller, W.
- II. Richter, R. H. H.
- III. Title: German...
- IV. Title: Austrian...

(Biological Sciences--Toxicology, TT, v. 11, no. 11)

Office of Technical Services

The Use of Scrap Aluminum in the Foundry, by
W. Frolich, 3 pp.

GERMAN, per, Zeit fuer Gesamte Giessereipraxis
Feb 1934, pp 75-76.

S.L.A. Tr 443/1956

Sci - Minerals/Metals 35,549

Jun 1956

Franz, K.
STUDIES ON THE PHYSIOLOGY OF THE UTERUS.
Communication no. 1. [1962] 26p.
Order from K-H \$32.50 K-H 5258-a

Trans. of Zeitschrift für Geburtshilfe und Gynäkologie (Germany) 1904, v. 53, p. 361-419.

DESCRIPTORS: *Reproductive system, *Uterus,
Physiology.

(Biological Sciences--Physiology, TF, v. 9, no. 1)

62-34491

- I. Franz, K.
- II. K-H-5258-a
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Why is the Intensity of Recent Landscape Formation
Greater in New Zealand than in Europe, by H.
Mortensen.

GERMAN, per, Z Geomorphol, No 3, 1959, pp 9-98
NZDSIE/Ref 762

Sci -
Aug 67

335,101

Sunlit Aurora Rays, by Carl Stormer, 19 pp.

GERMAN, per, Zeitschrift Fuer Geophysik,
Vol V, 1929, pp 177-194.

Air Res and

Dev Command

T-248 G U

Scientific - Astronomy

CTS/DEX

13,541

A Transportable Instrument for Measuring
Heavy Ions, by Hans Israel, 10 pp.

GERMAN, no per, Zeitschrift Fuer Geophysik,
Vol V, No 8, 1929, pp 342-350.

Air Res and
Dev Command

T-104-G.U

Scientific - Geophysics

CTB/DEX

13,626

Investigations of Fine Pressure Waves,
by Kurt Koehne, 21 pp.

GERMAN, no per, Zeitschrift fuer Geophysik,
Vol XVI, No 7/8, 1940, pp 310-329.

Air Res and

Dev Command

T-130 G-E

Scientific - Geophysics CTS/DEX

13,635

The Superimposition of Two Waves With Different
Direction or Origin, by R. Bungers,

GERMAN, per, Zeitschrift fur Geophysik, Vol XV,
1949, pp 321-332.

S.L.A. Tr Pool

Scientific - Geophysics
CTS/DEX

14,324

The Largest Ring for Terrain Corrections of the
Gravimetry in the Geophysics of Mineral Deposits, by
A. Schleusener.

GERMAN, per, Zeit Geophysik, 1953, pp 33-36.

*DMAAC

Sept 72

62-14060

Burkard, O.
STUDY ON THE GEOMAGNETIC EFFECT OF THE
F₂ LAYER. [1962] [13]p. 5 refs.
Order from SLA \$1.60 62-14060

Trans. of Zeitschrift für Geophysik (West Germany)
1954, v. 20, p. 75-83.

DESCRIPTORS: *Terrestrial magnetism, *Ionosphere,
*Geophysics, Magnetic properties, Analysis.

The influence of the earthmagnetic field on the world-
wide distribution of the critical frequencies for F₂ is
examined especially for solstices by means of observa-
tions in 1952. At solstice as at equinox both maxima in
geomagnetic latitudes of about $\pm 20^\circ$ and intermediate
minimum upon the geomagnetic equator are absent in
the early forenoon. The highest critical frequencies
are appearing upon the magnetic equator. At noon the
minimum is to be found about inclination zero; the two
(Earth Sciences--Atmosphere, TT, v. 10, no. 2)

(over)

1. Title: F₂ layer
2. Title: Solstices
1. Burkard, O.

Office of Technical Services

Methods of Calculating the True Heights of the
Layers of the Ionosphere, by E. Argence.
GERMAN, per, Zetischrift fur Geophys. Vol 20,
1954, pp 91-103.
*NASA TT F 13,280

sci/earth sci
oct 70

Schweydar's Formulas for the Terrain Effects
on g. by K. Jung.
GERMAN, per, Zeitschrift fur Geophysik, Vol 20,
Issue 1, 1955, pp 47-64.
ACIC TC-1334

Sci-par Sci
May 68

356,140

Micro-Pulsations of the Earth Current and the
Components of Horizontal Terrestrial Magnetism,
by R. Burdchart.

GERMAN, per, Z. fuer Geophysik, Vol XXI,
1955, pp 57-63.

CSIRO

Sci - Geophys
Aug 62

211,577

Micro-Pulsations of the Earth Current and the Components
of Horizontal Terrestrial Magnetism, by K. Bruckhart.

GERMAN, per, Z. Geophysik, Vol XXI, 1955, pp 57-73.

Is Res Council, Lib
C-2658

Sci - Geophysics.
Jan 59

79,307

Statistical Analysis of the Hypsometric
Curve of the Earth, by H. C. Joksak.

GERMAN, part I Zuer Geophysik, Vol XXI, 1955,
pp 109-112.

Univ of Wisconsin
(MSF)

Sci - Geophys
Apr 60

113874

62-23847

Bibl, K. and Delobau, F.
IONOSPHERIC OBSERVATIONS DURING THE TOTAL
SOLAR ECLIPSE OF THE 30 JUNE 54 [ionosphärische
Beobachtungen Während der Totalen Sonnenfinsternis
vom 30 June 54] tr. by J. M. Sprecher. Apr 61, 16p.
12 refs.

Order from OTS or SLA \$1.60

62-23847

Trans. of Zeitschrift für Geophysik (West Germany)
1955, v. 21, no. 4, p. 215-228.

DESCRIPTORS: *Ionosphere, *Solar eclipses, Height,
Electron density, Ionization, Recombination reactions,
Absorption.

(Earth Sciences--Atmosphere, TT, v. 9, no. 12)

I. Bibl, K.
II. Delobau, F.

4-12-62
Office of Technical Services

Interpretation of Seismic Arrivals With
Parallel Curved Time Paths, by H. Berckhemer,
J. Oliver.

GERMAN, per, 2 fuer Geophysik, No 21, 1955,
pp 152-164.

Univ of Wisconsin
(ESF)

Sci - Geophys
Apr 60

113,923

Schweydar's Formulas for the Terrain Effects
on g., by K. Jung.
GERMAN, per. Zeitschrift für Geophysik, Vol 20,
Issue 1, date unknown, presumed ca 1955, pp 47-
64.
*ACIC TC-1334

Sci-Earth Sci
Nov 67

Experiences and Measurements Results Obtained
Hitherto With the Sea Gravimeter, by A. Graf.
GERMAN, per. Z. f. Geophysik, Vol XXIII, No 1,
1957, pp 4-25.

ACIC

TG-767

Sci-Earth Sci & Astron
April 64

255,667

Evaluation of Geoelectrical Sounding
Graphs in the Case of a Subsoil Consisting
of Several Layers, by J. Homilius.
GERMAN, per, Zeitschrift fuer Geophysik,
No 27, 1961, pp 99-282
NZDIA

Sci -
Jul 67

334,463

Evaluation of Geoelectrical Sounding Graphs in
the Case of a Subsoil Consisting of Several Layers,
by J. Homilius.

GERMAN, per, Zeitschrift fuer Geophysik, Vol. 27,
1961, pp 282-299

Sci -
Aug 67

336-020

TT-63-20714

Gutdeutsch, R.
ON MULTIPLE ARRIVALS OF ELASTIC WAVES ON
LAYERS (Über Vielfacheinsätze Elastischer Wellen an
Schichten). [1963] [70p] (foreign text included)
Order from SLA \$6.60 TT-63-20714

Trans. of Zeitschrift für Geophysik (West Germany)
1962, v. 28 [no. 1] p. 11-40. (Abstract available)

DESCRIPTORS: *Seismic waves, *Mechanical waves,
Propagation, Velocity, Flat plate models, Measurement,
*Geophysics.

The paper contains a description of a type of elastic
waves which develops specially on layers. It forms
either characteristic single arrivals which render
parallel time-distance-curves, or a sinusoidal wave
of constant frequency. The interval between two
arrivals or the period of the sinusoidal wave is pro-
portionate to the thickness of the layer. The single
(Earth Sciences--Seismology, TT, v. 11, no. 5) (over)

I. Gutdeutsch, R.

A

Office of Technical Services

Reflection Horizons of the Deeper Earth Crust
in the Bavarian Piedmonts Derived From Seismic
Reflection Data, by H. J. Liebscher.

GERMAN, per, Zeitschrift fur Geophysik,
Vol 28-29, 1962-1963, pp 162-184.

ACIC TC-1100

Sci/Earth Sci
Nov 66

311,506
311,635

Investigation of the Time Variation of the
Gravimeter Factor, by E. Von Groten,
GERMAN, per, Zeitschrift fur Geophysik, Vol
28-29, 1962-1963, pp 169-172.
ACIC TC-1081

Sci-Ear Sci
Dept 66

309,127

Apparatus for the Measurement and Recording of
the Elements of Atmospheric Electricity with
Automatic Evaluation of Hourly Mean Values, by
A. Kunkis, G. Ries, 9 pp.
GERMAN, per, Zeitschrift fur Geophysik, Vol XXX,
No 1, 1964, pp 5-12, 9230403.
AEC SC-t-65-761

292,989

Sci-Earth Sci & Astronomy
Nov 65

On the Figure and Gravity Field of the
Earth, Part 1, by W. Macke.
GERMAN, per, Zeit fur Geophysik, Vol 30,
No 1, 1964, pp 21-28.
*ACIC-TC-1572

Sci-Ear Sci
Aug 69

Radioactive Collector for Atmospheric
Electricity Soundings, by G. Ronicks.
GERMAN, per, Zeit fur Geophysik, Vol XXX,
No 1, pp 43-44, 1964. 9230460

AEC-SC-T-65-760

Sci-Elect
Dec 65

293,323

(FDD 29001)

Divided Water Economy in the Zone Boundary Region of
the Harz, by H. Haase, 17 pp.

GERMAN, no par, Z fuer Geopolitik, Vol XXVII, No 7,
~~XXXXXXXXXX~~ Heidelberg, Jul 1946, pp 39-47.

CIA/FDD U-9114

KEur - Germany

Econ

Oct 56 CTS

40,729

(FID 28310)

The Bavarian Zone Border Area, by G. Mueller, 12 pp.

GERMAN, no par, Zeitschrift fuer Geo-politik in
Gesellschaft und Politik, Vol XLVII, No 5, Heidel-
berg, May 1956, pp 41-48.

CIA/FID U-8660

38,191

Wbur - Germany
Econ - Area study

COPIES

The Structure of the Cheeks Including the Inner
Lining as Compared to That of the Lips, by
S. Schumacher, 30 pp.

GERMAN, per, Z fuer die Gesamte Anatomie,
Vol LXXIII, 1924, pp 247-276.

NIH 1-36-62

Sci - Med

186,398

Mar 62

Form and Structure of Articular Cartilages in
Their Relations To Function. I. The Patterning
and Form-Preserving Factors of Cartilage Relief,
by A. Benninghoff.

GERMAN, per, Zeitschrift für der Gesellschaft
Anatomic, Vol LXXVI, No 1, pp 43-63, 1925.

NIE 9-2-62

Sci - Med

218,856

Dec 62

The Black Sea, an Oceanographic Summary, by Gernard
Neumann.

GERMAN, par, Z der Gesellschaft fur Erdkunde, No 3/4
1944, pp 92-114.

Navy Tr 2955/RO 135

Sci - Geophys

181, 123

Jan 62

X R-248/62

Recent Research Work in Paraguay and on the Parana River. The Drainage Basins of the Monday and ~~XXXX~~ Acaray Rivers, by Reinhard Maack, (DC-6943)

GERMAN, per, Die Erde: Zeitschrift der Gesellschaft fuer Erdkunde, zu Berlin, Vol XCIII, No 1, 1962, pp 5-48.

*JPRS

LA - Paraguay

Geographic - Econ 17 Jul 62

Pharmacological Investigations, Relative to the Active
Constituent of the Hypophysis, by J. Fuhner, (43 pp)

GERMAN, psr. Z. Ges. Exptl. Med., Vol I, 1912,
p. 397.

SLA 2809

Sci-Medicine
Mar 58

60,389

The Antagonism Between Gold and Diphtheria in
Bacilli and the Study of a Practical Applica-
tion, by Dr Van Der Bois, 70 pp.

GERMAN, per, E f Gen Exper Med, Vol XXX, 19
Jan 1922, pp 1-51.

WH 2-13

Sci - Med

Mar 59

82,791

Respiratory Stimulants, by R. Weissner,
GERMAN, per, Z Ges Exp Med, Vol 31, 1923
pp 159-214.
HEW NIH 9-4-66

Sci/B&M
Nov 66

314,260

The Effects of Cyanamide, XII. Quantitative
Cyanamide Determination in Tissues, by HARRIS
RAIDA, 10 pp.

GERMANY, FOR, J Soc Exp Med, Vol XXXI, 1923,
pp 215-220.

ELA 59-15423

Sci
Dec 59
Vol 2, No 5

103,536

Menstruation and Choline Metabolism, by
E. Lieburg, W. Patzschke, 15 pp.

GERMAN, per, Z fuer Die Gesamte Exper Med,
Vol XXXVI, 1923, pp 324-343.

NIH 2-42-62

191,480

Sci - Med

Apr 62

On the Toxicology of Hydrogen Phosphide, by
R. Meissner, 10 pp.

GERMAN, Z. Ges Exp Med, Vol XLII, 1924,
pp 267-274.

Morris D. Friedman --
MLL6

Sci
Aug 58

70,386

The Effects of Cyanamide. IV, by Johannes Dittrich,
22 pp.

GERMAN, per, Z Ges Exp Med, Vol XLIII, 1924,
pp 270-280.

SIA 59-15422

Sci
Dec 59
Vol 2, No 5

103,530

Lack of Transmissibility of the Cardiac Nerve Impulse
in Vascular Parabiosis in Dogs, by Enderland and
Boonenkamp, 10 pp

GERMAN, per Z. Ges. Exptl. Med., 1924, pp 723-730.

SLA 57-1693

Sci- Medicine
Mar 58

61, 611